

FULL VERSION OF PENDING CLAIMS:

1 Claim 1 (Currently Amended) A light-emitting unit comprising:

2 a flat polygonal member;

3 a light-emitting member which is provided on a main surface of the polygonal
4 member wherein the light-emitting member is made up of a plurality of light-emitting diodes that
5 are set at frequent intervals on the main surface of the polygonal member;

6 at least three sets of terminals, each set of terminals being provided on a different
7 side of a periphery of the polygonal member for making connections external to the light-
8 emitting unit; and

9 a wiring pattern which is provided to the polygonal member to connect the set of
10 terminals with the light-emitting member.

1 Claim 2 (Original): The light-emitting unit of Claim 1,

2 wherein the light-emitting member has a first electrode and a second electrode,
3 and emits light when power is supplied through the first and second electrodes,

4 the set of terminals includes a first terminal and a second terminal, and

5 the wiring pattern connects the first terminal to the first electrode, and the second
6 terminal to the second electrode.

1 Claim 3 (Original): The light-emitting unit of Claim 2,

2 wherein the set of terminals further includes a third terminal,

3 the wiring pattern connects the third terminal to the second electrode, and

the set of terminals is provided so that the first terminal is positioned at a midpoint of the side and the second terminal and the third terminal are symmetrically positioned with respect to the first terminal.

Claims 4-10 (Cancelled)

Claim 11 (Previously Presented): A light-emitting unit assembly comprising:

at least two light-emitting units,
wherein each light-emitting unit includes:
a flat polygonal member;
a light-emitting member which is provided on a main surface of the polygonal member;
at least three sets of terminals, each set of terminals being provided on a different side of a periphery of the polygonal member; and
a wiring pattern which is provided to the polygonal member to connect the set of terminals with the light-emitting member, and
wherein one side of a polygonal member of a light-emitting unit on which a set of terminals has been provided is set facing one side of a polygonal member of another light-emitting unit on which a set of terminals has been provided, and corresponding terminals on the facing sides of the two light-emitting units are electrically connected.

Claim 12 (Original): The light-emitting unit assembly of Claim 11 further comprising:

a joint member which electrically connects the corresponding terminals,
wherein in each light-emitting unit:

the light-emitting member is made up of a plurality of light-emitting elements that emit light of different colors;

the plurality of light-emitting elements are set at frequent intervals on the main surface of the polygonal member, with each light-emitting element being connected in series with other light-emitting elements that emit light of the same color as the light-emitting element;

the set of terminals includes a common terminal and pairs of color terminals, the pairs of color terminals corresponding to the different colors;

the wiring pattern connects an electrode at one of a low-potential end and a high-potential end of each group of series-connected light-emitting elements to the common terminal, and connects an electrode at the other end of each group of series-connected light-emitting elements to a pair of color terminals that corresponds to the same color as the group; and

the set of terminals is provided so that the common terminal is positioned at a midpoint of the side and two color terminals that compose each pair of color terminals are symmetrically positioned with respect to the common terminal, and

wherein the corresponding terminals which are located at directly opposing positions on the facing sides of the two light-emitting units are electrically connected using the joint member.

Claim 13 (Original): The light-emitting unit assembly of Claim 12,

wherein the joint member includes:

an insulating substrate which has flexibility; and

4 a plurality of contact electrodes which are formed on a main surface of the
5 insulating substrate, and which each contact a different terminal on the facing sides of the two
6 light-emitting units.

1 Claim 14 (Original): The light-emitting unit assembly of Claim 11,

2 wherein in each light-emitting unit:

3 the light-emitting member is made up of a plurality of light-emitting elements that
4 emit light of different colors;

5 the plurality of light-emitting elements are set at frequent intervals on the main
6 surface of the polygonal member, with each light-emitting element being connected in series
7 with other light-emitting elements that emit light of the same color as the light-emitting element;

8 the side of the polygonal member on which the set of terminals is provided has
9 alternating projections and depressions;

10 the set of terminals includes a common terminal and pairs of color terminals, the
11 pairs of color terminals corresponding to the different colors;

12 the common terminal and the pairs of color terminals are arranged at the
13 projections and the depressions;

14 the wiring pattern connects an electrode at one of a low-potential end and a high-
15 potential end of each group of series-connected light-emitting elements to the common terminal,
16 and connects an electrode at the other end of each group of series-connected light-emitting
17 elements to a pair of color terminals that corresponds to the same color as the group; and

18 the set of terminals is provided so that the common terminal is positioned at a
19 midpoint of the side and two color terminals that compose each pair of color terminals are
20 symmetrically positioned with respect to the common terminal, and
21 wherein with projections provided on the side of the light-emitting unit being fit
22 into depressions provided on the side of the other light-emitting unit, the corresponding terminals
23 which are located at directly opposing positions on the facing sides of the two light-emitting
24 units are electrically connected.

1 Claims 15-20 (Cancelled)

1 Claim 21 (Previously Presented): A light-emitting unit comprising:

2 a flat polygonal member;

3 a light-emitting member which is provided on a main surface of the polygonal
4 member;

5 at least three sets of terminals, each set of terminals being provided on a different
6 side of a periphery of the polygonal member; and

7 a wiring pattern which is provided to the polygonal member to connect the set of
8 terminals with the light-emitting member,

9 where the light-emitting member is made up of a plurality of light-emitting
10 elements that emit light of different colors,

11 the plurality of light-emitting elements are set at frequent intervals on the main
12 surface of the polygonal member, with each light-emitting element being connected in series
13 with other light-emitting elements that emit light of the same color as the light-emitting element,

14 the set of terminals includes a common terminal and color terminals that
15 correspond to the different colors, and

16 the wiring pattern connects an electrode at one of a low-potential end and a high-
17 potential end of each group of series-connected light-emitting elements to the common terminal,
18 and connects an electrode at the other end of each group of series-connected light-emitting
19 elements to a color terminal that corresponds to the same color as the group.

1 Claim 22 (Previously Presented): A light-emitting unit comprising:

2 a flat polygonal member;

3 a light-emitting member which is provided on a main surface of the polygonal
4 member;

5 at least three sets of terminals, each set of terminals being provided on a different
6 side of a periphery of the polygonal member; and

7 a wiring pattern which is provided to the polygonal member to connect the set of
8 terminals with the light-emitting member,

9 where the light-emitting member is made up of a plurality of light-emitting
10 elements that emit light of different colors,

11 the plurality of light-emitting elements are set at frequent intervals on the main
12 surface of the polygonal member, with each light-emitting element being connected in series
13 with other light-emitting elements that emit light of the same color as the light-emitting element,

14 the set of terminals includes a common terminal and pairs of color terminals, the
15 pairs of color terminals corresponding to the different colors,

16 the wiring pattern connects an electrode at one of a low-potential end and a high-
17 potential end of each group of series-connected light-emitting elements to the common terminal,
18 and connects an electrode at the other end of each group of series-connected light-emitting
19 elements to a pair of color terminals that corresponds to the same color as the group, and
20 the set of terminals is provided so that the common terminal is positioned at a
21 midpoint of the side and two color terminals that compose each pair of color terminals are
22 symmetrically positioned with respect to the common terminal.

1 Claim 23 (Previously Presented): The light-emitting unit of Claim 22,
2 wherein the side of the polygonal member on which the set of terminals is
3 provided has alternating projections and depressions, and
4 the common terminal and the pairs of color terminals are arranged at the
5 projections and the depressions.

1 Claim 24 (Currently Amended): A light-emitting unit comprising:
2 a flat polygonal member;
3 a light-emitting member which is provided on a main surface of the polygonal
4 member;
5 at least three sets of terminals, each set of terminals being provided on a different
6 side of a periphery of the polygonal member for making connections external to the light-
7 emitting unit;
8 a wiring pattern which is provided to the polygonal member to connect the set of
9 terminals with the light-emitting member; and
10 a resin sheet which has flexibility and covers the light-emitting member,

11 wherein the light-emitting member is made up of a plurality of light-emitting
12 diodes that are set at frequent intervals on the main surface of the polygonal member, and
13 the polygonal member is a flexible substrate.

1 Claim 25 (Previously Presented): The light-emitting unit of Claim 24,
2 wherein at least one of the resin sheet and the polygonal member is depressed in
3 areas where the plurality of light-emitting diodes are positioned.

1 Claim 26 (Currently Amended): A light-emitting unit comprising:
2 a flat polygonal member;
3 a light-emitting member which is provided on a main surface of the polygonal
4 member;
5 at least three sets of terminals, each set of terminals being provided on a different
6 side of a periphery of the polygonal member for making connections external to the light-
7 emitting unit; and
8 a wiring pattern which is provided to the polygonal member to connect the set of
9 terminals with the light-emitting member,
10 wherein the light-emitting member is made up of a plurality of light-emitting
11 diodes that are set at frequent intervals on the main surface of the polygonal member, and
12 the light-emitting unit further comprises:
13 a light scatterer which scatters light emitted from the plurality of light-emitting
14 diodes.

1 Claim 27 (Previously Presented): The light-emitting unit of Claim 26 further comprising:

2 a resin layer which has translucency and covers the plurality of light-emitting
3 diodes,

4 wherein the light scatterer is a metal powder mixed in the resin layer.

1 Claim 28 (Previously Presented): A light-emitting unit that is used in combination with
2 another light-emitting unit of the same type, comprising:

3 a flat polygonal member;

4 a light-emitting member which is provided on a main surface of the polygonal
5 member;

6 at least three sets of terminals, each set of terminals being provided on a different
7 side of a periphery of the polygonal member; and

8 a wiring pattern which is provided to the polygonal member to connect the set of
9 terminals with the light-emitting member and also to connect terminals of equal polarities with
10 each other in the at least three sets of terminals.

1 Claim 29 (Previously Presented): The light-emitting unit of Claim 28,

2 wherein the light-emitting member has a first electrode and a second electrode,
3 and emits light when power is supplied through the first and second electrodes,

4 the set of terminals includes a first terminal and a second terminal, and

5 the wiring pattern connects the first terminal to the first electrode, and the second
6 terminal to the second electrode.

1 Claim 30 (Previously Presented): The light-emitting unit of Claim 29,
2 wherein the set of terminals further includes a third terminal,
3 the wiring pattern connects the third terminal to the second electrode,
4 the set of terminals is provided so that the first terminal is positioned at a
5 midpoint of the side and the second terminal and the third terminal are symmetrically positioned
6 with respect to the first terminal.

1 Claim 31 (Previously Presented): The light-emitting unit of Claim 26,
2 wherein the light scatterer includes a Fresnel lens.

1 Claim 32 (Previously Presented): The light-emitting unit of Claim 1,
2 wherein corresponding terminals in each set of terminals are electrically
3 connected.